ABSTRACT

A system encrypts information. The system includes a key storage module (135) configured to store encryption bits in a memory of the key storage module. The system further includes a communication device (105) configured to retrieve a quantity of encryption bits from the memory of the key storage module. The retrieval depletes a total amount of encryption bits stored in the key storage module. The communication device is further configured to encrypt data transmitted from the communication device using the quantity of retrieved encryption bits.